

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2736	(435/287.2).CQLS.	USPAT; USOCR	OR	OFF	2011/09/12 11:37
S1	1	("20050230272").FN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/10/11 13:57
S2	103	substrate with layer with nanopore	US- PGPUB; USPAT	OR	ON	2010/10/11 15:02
S3	24	S2 and (nanopore with membrane)	US- PGPUB; USPAT	OR	ON	2010/10/11 15:03
S4	6	S3 not @ay> "2003"	US- PGPUB; USPAT	OR	ON	2010/10/11 15:04
S5	0	S4 and (substrate with layer with align\$)	US- PGPUB; USPAT	OR	ON	2010/10/11 15:04
S6	0	("20070020689").FN.	USPAT; USOCR	OR	OFF	2010/10/11 15:58
S7	1	("20070020689").FN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/10/11 15:58
S8	0	S2 and fiducial	US- PGPUB; USPAT	OR	ON	2010/10/11 16:23
S9	2	S2 and ((alignment or aligning or aligned) with (mark or marking or indicia or indication))	US- PGPUB; USPAT	OR	ON	2010/10/11 16:24
S10	21926	((membrane with biological) or bilayer) and (nanopore or pore)	US- PGPUB; USPAT	OR	ON	2010/10/11 16:40
S11	164	S10 and ((nanopore or pore) with (align or aligned or alignment))	US- PGPUB; USPAT	OR	ON	2010/10/11 16:41
S12	72	S11 not @ay> "2003"	US- PGPUB; USPAT	OR	ON	2010/10/11 16:41
S13	22464	((membrane with biological) or bilayer) and (aperture or opening or hole)	US- PGPUB; USPAT	OR	ON	2010/10/11 18:15
S14	1830	S13 and ((aperture or opening or hole) with (align or aligned or alignment))	US- PGPUB; USPAT	OR	ON	2010/10/11 18:15
S15	904	S14 not @ay> "2003"	US- PGPUB;	OR	ON	2010/10/11 18:15

			USPAT			
S16	90	S15 and (((membrane with biological or bilayer) with (aperture or opening or hole)))	US-PGPUB; USPAT	OR	ON	2010/10/11 18:16
S17	90	S16 not S12	US-PGPUB; USPAT	OR	ON	2010/10/11 18:16
S18	1	S17 and ((marking or indicia) with (align or aligned or alignment))	US-PGPUB; USPAT	OR	ON	2010/10/11 18:17
S19	81	((marking or indicia) with (align or aligned or alignment) with (pore or opening or hole or aperture)) and (biological or assay or biochip or microfluidic)	US-PGPUB; USPAT	OR	ON	2010/10/11 18:38
S20	41	S19 not @ay> "2003"	US-PGPUB; USPAT	OR	ON	2010/10/11 18:38
S21	2	"20030207326"	US-PGPUB; USPAT	OR	ON	2010/10/11 19:30
S22	35	"6875671"	US-PGPUB; USPAT	OR	ON	2010/10/11 19:46
S23	1	("6875671").PN.	USPAT; USOCR	OR	OFF	2010/10/11 19:47
S24	14	((electric adj field) or electrophoresis or electrophoretic) with (tear or tearing) with (protein or polypeptide or peptide)	US-PGPUB; USPAT	OR	ON	2011/01/10 23:02
S25	16260	((nanopore or pore) with (molecule or biomolecule or protein or polypeptide or peptide or antibody or antigen or polynucleotide or dna or nucleic) and ((molecule or biomolecule or protein or polypeptide or peptide or antibody or antigen or polynucleotide or dna or nucleic) with (active or functional))	US-PGPUB; USPAT	OR	ON	2011/03/25 00:38
S26	5734	((nanopore or pore) with (molecule or biomolecule or protein or polypeptide or peptide or antibody or antigen or polynucleotide or dna or nucleic) with (membrane or bilayer)) and ((molecule or biomolecule or protein or polypeptide or peptide or antibody or antigen or polynucleotide or dna or nucleic) with (active or functional))	US-PGPUB; USPAT	OR	ON	2011/03/25 00:38
S27	826	((nanopore or pore) with (molecule or biomolecule or protein or polypeptide or peptide or antibody or antigen or polynucleotide or dna or nucleic) with (membrane or bilayer)) and ((molecule or biomolecule or protein or polypeptide or peptide or antibody or antigen or polynucleotide or dna or nucleic) with (full or fully) with (active or functional))	US-PGPUB; USPAT	OR	ON	2011/03/25 00:39
S28	409	S27 not @ay> "2003"	US-PGPUB; USPAT	OR	ON	2011/03/25 00:40
S29	0	("20030207326").PN.	USPAT; USOCR	OR	OFF	2011/03/25 02:47

S30	1	("20030207326").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/25 02:47
S31	3535828	((nanopore or pore or opening or aperture or hole))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:05
S32	50334	((nanopore or pore or opening or aperture or hole) with (protein or molecule or biomolecule))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:06
S33	14804	S32 and ((detect or detecting or detected or measure or measuring or measured) with (protein or molecule or biomolecule))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:06
S34	2196	S33 and ((nanopore or pore or opening or aperture or hole) with (nanometer or nm))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:07
S35	854	S34 not @ay> "2003"	US-PGPUB; USPAT	OR	ON	2011/09/11 15:07
S36	457	S35 and ((nanopore or pore or opening or aperture or hole) with (membrane or bilayer or vesicle or cell))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:08
S37	347	S36 and ((bind or binding or interaction) with (protein or molecule or biomolecule))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:10
S38	154	S37 and (((bind or binding or interaction) with (protein or molecule or biomolecule)) same (nanopore or pore or opening or aperture or hole))	US-PGPUB; USPAT	OR	ON	2011/09/11 15:21
S39	50334	((nanopore or pore or opening or aperture or hole) with (protein or molecule or biomolecule))	US-PGPUB; USPAT	OR	ON	2011/09/11 20:20
S40	14804	S39 and ((detect or detecting or detected or measure or measuring or measured) with (protein or molecule or biomolecule))	US-PGPUB; USPAT	OR	ON	2011/09/11 20:20
S41	2196	S40 and ((nanopore or pore or opening or aperture or hole) with (nanometer or nm))	US-PGPUB; USPAT	OR	ON	2011/09/11 20:20
S42	854	S41 not @ay> "2003"	US-PGPUB; USPAT	OR	ON	2011/09/11 20:20
S43	40	S42 and ((nanopore or pore or opening or aperture or hole) with (aspect with ratio))	US-PGPUB; USPAT	OR	ON	2011/09/11 20:20
S44	1	("20030207326").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/09/11 20:40
S45	5	((((g with protein with coupled with receptor) or gpcr) with bilayer) same (opening or pore or nanopore or aperture or hole))	US-PGPUB; USPAT	OR	ON	2011/09/11 20:45
S46	25	((((g with protein with coupled with receptor) or gpcr) with bilayer) and (bilayer same (opening or pore or nanopore or aperture or hole))	US-PGPUB; USPAT	OR	ON	2011/09/11 20:54
S47	20	S46 not S45	US-	OR	ON	2011/09/11

			PGPUB; USPAT		20:54
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**9/ 12/ 2011 11:39:02 AM**

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